UNIVERSITY OF WASHINGTON BOTANIC GARDENS
Plants for Life

Spring 2008 ❋ Vol. 25 No. 2

Camas Quarterly

QUARTERLY NEWSLETTER OF THE UNIVERSITY OF WASHINGTON BOTANIC GARDENS ❋ COLLEGE OF FOREST RESOURCES

Left to right: The UW Botonic Gardens is monitoring to prevent potential pests including the Sirex woodwasp (1) and emerold osh borer (2); domage caused by Sirex woodwosp in Hungorian forest; monitoring trop instolled in the Arboretum.

Photos left to right: K. Dodds, USFS, Bugwood.org; D. Coppoert, Michigan Stote Univ., Bugwood.org; G. Csoko, Hungory Forest Research Inst., Bugwood.org.

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Uninvited Guests in the Garden

MEG MATTHEWS

The Washington Park Arboretum receives thousands of visitors each year, but not all are welcome.

Our region is vulnerable to invasive insects, that hitch rides in lumber products or live plants on cargo ships. Upon arrival, they can decimate plants that lack natural defenses against nonnative pests, causing significant environmental damage and economic impacts.

Extensive collections and local expertise make the Arboretum an ideal outdoor laboratory where staff work with agencies such as the Washington State Department of Agriculture to monitor invasive insects. The department has erected traps in the Arboretum for exotic wood boring insects that could arrive in the future, including *Agrilus planipennis*, the emerald ash borer, and *Sirex noctilio*, the Sirex woodwasp. Emerald ash borers have killed over 20 million ash trees in the Great Lakes region by destroying tree tissues that carry water and nutrients. Sirex wasps tunnel into pine trees during egg laying and introduce a toxic mucus and fungus mix that can kill their hosts. Large wasp populations can even kill healthy trees. In countries like Australia and Chile, Sirex wasps have killed up to 80 percent of trees in pine plantations, and local arborists fear for the Pacific Northwest's conifers.

Currently, the red turpentine beetle, *Dendroctonus valens*, is infesting pines on Foster Island. The beetle is a native species, but it is possible that climate change simultaneously weakens host trees and allows the beetles to proliferate; the beetle may also carry a blue stain fungus that clogs the trees' water transport systems. UW Botanic Gardens is working carefully to protect one of the nation's best pine collections.

Continued on Page 8

Introducing Sandra Lier

UW Botanic Gardens welcomes our new Interim Director, Sandra H. Lier. Lier is an experienced manager with two decades of experience in higher education. From 2000-2007, Lier was Associate Vice President of Business Services at the UW, responsible for strategic planning and budget management, and the University representative to the Arboretum and Botanical Garden Committee from 2001 to 2007. Lier's primary home is on the Olympic Peninsula. She loves hiking, gardening, and appreciating the beauty of the Pacific Northwest.

Camas Quarterly *Editor Elizabeth Loudon interviewed Lier in early March, 2008.*

Why do you want to serve as Interim Director?

There is nothing more important than working to improve and save our environment. When I worked previously with the various organizations that are engaged in stewardship of the Arboretum, I also became aware of the wonderful work of faculty and staff in all parts of the UW Botanic Gardens. I'm very much looking forward to working with them again.

What do you hope to achieve?

I hope to continue the strategic direction undertaken by the Botanic Gardens leadership over the past three years. I believe in the vision statement of the UW Botanic Gardens: "*As an international hub for plant science, information, teaching, and stewardship, we will promote an educated, inspired, and engaged society dedicated to sustainable ecosystem management.*" What I'm particularly interested in is maintaining positive and cooperative energy; I'm also hoping to enhance the resources required to reach our vision.

All parts of the Botanic Gardens deserve support. As University and community leaders better understand what a fabulous treasure we have here, we will be more able to find resources. The more we can contribute to knowledge and appreciation of the plant world, the better off the world will be.

Anything else you'd like to add?

Please stop by or send me an email anytime. I'd love to talk to you.

Sandra Lier can be reached at 206-897-1977 or lier@u.washington.edu.

New Interim Director Sandra Lier takes a break while touring new projects at the Arboretum. Photo: Fred Hoyt

Camas Quarterly

Camas Quarterly is named for the Northwest native plant *Camassia quamash*, a beautiful perennial herb with a significant ethnobotanical history. It has been an important food source for First Peoples (Native Americans) in the region.

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www.uwbotanicgardens.org

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MISSION: *Sustaining managed to natural ecosystems and the human spirit through plant research, display, and education*

PACIFIC CONNECTIONS GARDEN ENTERS PHASE TWO

MEG MATTHEWS

UW Botanic Gardens is making great progress on the Pacific Connections Garden, the largest garden developed in the Washington Park Arboretum since its inception.

Pacific Connections features plant collections from five Pacific Rim regions: Australia, New Zealand, China, Chile, and Cascadia. We are working with two partners: the City of Seattle, which manages the project, and the Arboretum Foundation, which raises funds. Phase I will finish by early fall and includes the preview gardens, meadow, and interpretive shelter. Contractors are establishing paths through Cascadia and working on the rock walls, shelter, and the overlook at the Arboretum's highest point. Now, we're gearing up for Phase II: the New Zealand and Cascadia collections.

Left: Meg Matthews checks out retaining wall for the Pacific Connections interpretive shelter during construction.
Right: The monkey puzzle tree with its distinctive structure is the iconic plant for Chile in the upcoming Pacific Connection Garden.

Our staff is selecting plants native to temperate zones like the Pacific Northwest because they can tolerate changing seasons, variations in daylight hours, and Seattle's dry summers and wet, mild winters. We also choose non-invasive, pest-resistant plants. With these criteria in mind, UW Botanic Gardens chose two climatically similar sites for the plant selections: Oregon's Siskiyou Mountains and New Zealand's Southern Alps.

UW Botanic Gardens is making plans to acquire the plant material for the New Zealand collection. We led one expedition to the Siskiyous in 2007 and will lead another in the near future. The expeditions help us create botanically accurate landscapes, so the plants you stand beside are the same species growing next to each other in their native lands.

Stay tuned for details on the grand opening of the Pacific Connections Garden this September!

RECENT GRANTS AND GIFTS

We are very grateful for the generosity of The Miller Foundation, which donated over $100,000 this year to support Miller Library's programs and operations. Their gift includes a grant matching every dollar we raise to support the library, up to $30,000. The foundation is one of the most dedicated donors to the Miller Library and other programs at UW Botanic Gardens. We also appreciate the foundation's generous grant to the Japanese Garden, which will enhance the Washington Park Arboretum for years.

A generous UW Botanic Gardens Director's Guild member donated $10,000 to start a fund in recognition of the significant work and momentum achieved by former Director David Mabberley. This gift supports the first phase of the Union Bay Master Implementation Plan, which will carry out David's vision of developing issues gardens. We look forward to David's return as a guest lecturer in the future.

UW Botanic Gardens' year-end appeal was a great success. Thanks to our generous supporters, we raised $10,960 from gifts of all sizes. Donors directed approximately half of the money to specific UW Botanic Gardens programs; the other half went to our "Director's Priorities." Thank you to all who donated! If you missed it, there's still time to give. Every dollar keeps our programs and gardens running year-round.

For more information about donating to UW Botanic Gardens' programs, please contact Wendy Kelley at wkelley@u.washington.edu or 206-543-4060.

LEGISLATIVE UPDATE

Former UW Botanic Gardens Director David Mabberley traveled to Olympia during the 2008 legislative session to testify before the Senate Natural Resources Committee on SB 6226. Senator Ken Jacobsen drafted the bill, which included $1 million of matching money to establish an endowed curatorship for UW Botanic Gardens. Although the bill stalled in the Ways and Means Committee, it should reappear on next year's legislative agenda. This bill is a high priority for UW Botanic Gardens. For more information, contact Wendy Kelley at wkelley@u.washington.edu.

Miller Library News

SEASONAL QUESTIONS FROM THE PLANT ANSWER LINE

REBECCA ALEXANDER

Q: I planted a raised bed with four blueberry bushes and one gooseberry bush. The plants are spaced four to five feet apart. Could I underplant this bed with strawberries or possibly cranberries? The soil is really good and there's lots of ground space to utilize.

A: Choose shallow-rooted plants and keep them away from the base of taller plants. Cranberries and strawberries are both shallow-rooted. Strawberries planted near blueberries can spread prolifically and encircle the main stems of the plants. If you are willing to be vigilant, it could work.

I grow blueberries and currants with nothing directly beneath them; a few inches away, I have creeping veronica, hardy geranium, bulbs, thyme, parsley, and other low-growing perennials, leaving little space for weeds to take hold. Our books on permaculture may have additional suggestions. A case study in *Edible Forest Gardens* by David Jacke (Chelsea Green, 2005) suggests that overly dense ground cover beneath fruit can make pest control and fruit drop cleanup difficult.

Q: I'm interested in growing garbanzo beans. Do they work in the Seattle climate?

A: Garbanzo beans grow as a crop in Eastern Washington. Purdue University's Alternative Field Crops website details how to grow them: http://www.hort.purdue.edu/newcrop/afcm/chickpea.html

They should grow in Seattle, too. According to Steve Solomon's *Growing Vegetables West of the Cascades* (Sasquatch Books, 2000), *Cicer arietinum* (garbanzo) should be sown here in early March to early April. The earlier the better: the crop needs soil moisture. However, you should sow when the soil is warm enough for the seed to sprout. Plant seeds one inch deep, three to four seeds per foot, in rows three feet apart. You can mix compost into the rows before planting, which should be sufficient nutrition for the plants. If you need to amend the soil further, you may add bone meal with the compost (five to 10 lbs per 100 row feet). Thin the seedlings once established to eight inches apart. Keep the planting well weeded. Harvest in midsummer.

Rebecca Alexander is the Plant Answer Line Librarian at the Miller Library.

You can submit your questions about gardening and plants anytime. Email hortlib@u.washington.edu, or call 206-UW-PLANT (206-897-5268). The line is staffed during regular library hours.

TOOLS GALORE FOR TEACHERS AND PARENTS IN NEW NHS CURRICULUM COLLECTION

The Northwest Horticultural Society awarded Elisabeth C. Miller Library a $2500 grant in autumn 2007 to plan and purchase a curricula collection. The Miller Library currently has a Children's Collection of some 400 lending books for preschool to high school-aged kids. The NHS Curricula Materials Grant expanded the collection with books and other materials to help local educators develop plant-focused curricula.

The Curriculum Materials Grant adds 72 items to our collection, including curriculum guides, storybooks, field guides, lesson plans, fieldtrip planners, and much more. This grant doubles the size of our Parent/Teacher Resource collection and more than doubles its usefulness.

The additions also support UW Botanic Gardens' educational programs, including the Arboretum's Seedlings Preschool and Saplings School programs, which reach 5,000 children each year. The collection is geared at classroom settings, but these books are also excellent tools for parents and family members who want to teach kids about plants, nature, or gardening. Come visit the library and browse our wonderful new titles.

CHILDREN'S COLLECTION EXPANDS

A gardener's passion often blooms with the first handful of seeds he plants, like a book lover's interest unfolds with the first pages she turns. In April, the generosity of Larry Howard and Nancy Winder ensured that small gardeners and readers would continue to flourish at Miller Library. Their donation to our Children's Collection enabled us to purchase 35 new books for a collection that includes subjects such as gardening basics, garden ecology, basic botany, plant-related science projects, and animals found in garden settings. New titles include *One Leaf Rides the Wind* (a Japanese garden story), *Exploring the Pacific Northwest* (about Lewis and Clark), *On Meadowview Street* (one girl's idea makes a whole neighborhood greener), and *Counting in the Garden*. This donation means a lot to our youngest visitors and lets us continue providing fiction and nonfiction titles to pre-school, primary, and secondary school readers.

WORK IN PROGRESS – MAY 9 THROUGH JUNE 28

From May 9 to June 28, 2008, the Elisabeth C. Miller Library will display research posters by 15 College of Forest Resources graduate students working in the fields of restoration ecology, invasive biology, community gardening, and urban forestry. Learn about the latest work in Garry oak restoration, eelgrass in Puget Sound, city park reforestation efforts, the ecology of a native lily species, and knotweed in Pacific Northwest river systems. Come see how graduate students working at UW Botanic Gardens are contributing to practical applications of ecology and environmental science! Look for details about the exhibit's opening at: http://depts.washington.edu/hortlib/index.shtml.

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Enclosed is my gift of:

○ $1,000 ○ $100
○ $500 ○ $50
○ $250 ○ Other $ _____

○ My employer will match my gift. The company's form is enclosed.

○ Please send information on bequests and life income plans.

○ My check, made payable to the University of Washington, is enclosed.

○ Please charge my

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The high quality gardens and programs at UW Botanic Gardens are made possible by support from people like you! We are one of the few large gardens in the country that is open to the public without charge. Please support this wonderful community resource.

Community Connections

PLANTING SEEDS OF STEWARDSHIP

HEIDI WIEGANDT AND BARBARA SELEMON

Seattle Youth Garden Works crew worked with UW Botanic Gardens staff last winter removing invasives and planting native plants in the Arboretum.

In the midst of this winter's frigid weather, UW Botanic Gardens and Seattle Youth Garden Works (SYGW) worked outdoors on a Native Plant Propagation Program (NPPP) project in the Washington Park Arboretum's nationally recognized Holly Garden. For 10 weeks, staff and volunteers worked with disadvantaged teens in the greenhouse or in the Holly Garden, which was relocated to make room for the new Pacific Connections Garden.

The project was a brainchild of NPPP Coordinator Barbara Selemon, who brought it to fruition with a grant from King County's Wild Spaces in Urban Places program. SYGW's crew propagated 340 sword ferns and 76 snowberries for future plantings, removed invasive English Ivy and Himalayan Blackberry, planted a palette of native species, and mulched the area. Some teens worked with graduate student Pat Schwartzkopf to install a bioswale with woody debris that will collect and funnel water into an existing culvert.

Youth loved taking the project from start to finish. "The kids felt good because they saw results," Selemon said.

The NPPP grows large numbers of native understory plants in the Arboretum in order to smother invasive species, improve erosion control, and enhance wildlife habitat. As UW Botanic Gardens develops its plant collections, the program will play a key role in weed management and native plant restoration. Its activities also engage young people in plant conservation.

Since the program's inception in 2005, Selemon has propagated and installed native species with assistance from SYGW, Student Conservation Association, Edmonds Community College interns, and several local high schools. Her work provides experiential learning structures that work for youth who struggle in traditional classroom environments. The Holly Garden project fit the format well, providing hands-on lessons in restoration ecology. By the end, "[The kids] understood the importance of reclaiming native plants," SYGW Executive Director Janice Dillworth said.

Keep an eye out for NPPP when you visit the Holly Garden. On Earth Day, Student Conservation Association volunteers divided and prepared sword ferns for future plantings. Throughout the year, staff and volunteers will check on plants, assess the bioswale's effectiveness, and remove invasives. Come see the tremendous work that this program is accomplishing!

Barbara Selemon is the Coordinator for the Native Plant Propagation Program. Heidi Wiegandt was the NPPP Program Assistant through February 2008.

LESSONS FROM SYGW YOUTH

I saw a tree that was surrounded by ivy, like there was only the top part left. I felt really bad and sad for the tree. It looked like it couldn't breathe. I was just imagining it; it's like someone putting a paper bag over my face cutting off my circulation slowly... **–MARADEE**

I love the people I work with. It's like they would always be there by your side to help you. **–RISKY**

Through these weeks that I've been here, [the site] has changed. Before we did all that planting and mulching, there wasn't anything out at the site... Now, it's coming to look better than it did. **–SI**

HELP NIP INVASIVES IN THE BUD

The Pacific Northwest Invasive Plant Council is restarting this year. As one of four regional invasive plant councils under a national organization, it will work to protect Pacific Northwest landscapes from invasive horticultural and non-indigenous wild plants. The council is developing an Early Detection Rapid Response volunteer program to detect and remove new infestations. For more information and to get involved, email pnwipc@gmail.com or call 206-897-1429.

Classes & Events

For more information or to register, contact Jean Robins at jrobins@u.washington.edu or 206-685-8033 or visit www.uwbotanicgardens.org and follow the link for Public Education.

PHOTO: LARRY HOWARD

Extended Hours at the Miller Library

Saturday, May 3, 9 – 5 p.m.
Sunday, May 4, 10 – 3 p.m.

FREE

Miller Library, Center for Urban Horticulture

The Miller Library will stay open during the King County Master Gardener Foundation plant sale. Sunday, May 4, is the last day to see the exhibit of new works from the Pacific Northwest Chapter of the American Society of Botanic Artists.

Work in Progress

Friday, May 9 – Saturday, June 28

FREE

Miller Library, Center for Urban Horticulture

Come see an exhibit of graduate student research from the College of Forest Resources.

Botanical Illustration – Watercolor

Eight-part series:

Mondays May 12 – July 7, 7 – 9:30 p.m.

No class on Memorial Day

Douglas Classroom, Center for Urban Horticulture

INSTRUCTOR: LOUISE SMITH, WWW.GREENSTEMS.COM

FEE: $230; PRE-REGISTRATION REQUIRED

This class is intended as a follow-up to the previous Botanical Drawing classes, or may be taken as a stand-alone course. Louise Smith will take you step-by-step through the basics of watercolor wash, wet-on-wet, and dry brush techniques. She will also introduce some basic drawing concepts. Louise will provide materials for the first class. Students will have the opportunity to buy a few items at discount.

Miller Library Storytime: May Flowers

Saturday, May 17, 10 – 10:45 a.m.

FREE

Miller Library, Center for Urban Horticulture

Botanical Drawing – Special Projects

Eight-part series:

Wednesdays, May 21 – July 9, 7 – 9:30 p.m.

Isaacson Classroom, Center for Urban Horticulture

INSTRUCTOR: KATHY MCKEEHEN

FEE: $230; PRE-REGISTRATION REQUIRED

Students will undertake longer, more complex projects of their choice rendering a botanical subject in pencil, using line and shading to create a finished portrait that is both accurate and beautiful. Use of reference photos will be covered, and students will receive a CD of photos of their subject to use. The last weeks of class will offer an opportunity for students to branch into pen and ink rendering if they wish.

While the earlier drawing classes would be a good lead-up to this class, students who have previous drawing experience or are willing to do some work at home could handle the assignments. Extra help is available before each class.

Plant Identification at the Arboretum

Saturday, June 7, 9 a.m. – 12 p.m.

Meet at Graham Visitors Center, Washington Park Arboretum

INSTRUCTOR: BESS BRONSTEIN, CERTIFIED ARBORIST, HORTICULTURAL EDUCATOR

FEE: $35; PRE-REGISTRATION REQUIRED

Bess Bronstein will guide this outdoor class in the Arboretum, which teaches basic plant identification, focusing on how your garden can integrate 20 great plants for the late spring season.

The Art of Espalier

Saturday, June 7, 10 am. – 2 p.m.

Douglas Classroom, Center for Urban Horticulture

INSTRUCTOR: DAVID CONNERS, SEATTLE TREE FRUIT SOCIETY

FEE: $40; PRE-REGISTRATION REQUIRED

Besides being visually pleasing, an espaliered tree, bush, or vine saves space. Trained on wires against a sunny wall, or a free-standing natural fence, a small number of espaliered stems can provide a worthwhile amount of fruit and a great deal of pleasure to anyone with limited space.

David will review the basics of creating and maintaining an espalier, emphasizing the Belgian Fence form. He will discuss wintertime pruning, summer pruning, and practical planning advice.

PHOTO: LARRY HOWARD

Miller Library Storytime: Green Magic

FREE

Saturday, June 7, 10 – 10:45 a.m.

Miller Library, Center for Urban Horticulture

Celebrating Wildflowers

FREE

Sunday, June 8, 12 – 4 p.m.

Olympic Sculpture Park, Western Avenue and Broad Street, Seattle

Join Rare Care for its sixth annual event in partnership with the Seattle Art Museum. Bring your family to play games, examine wildflowers up-close, enjoy a guided native plant tour, feel a fascinating array of native mosses, press flowers to take home, and much more!

Union Bay Natural Area Walking Tour

Saturday, June 14, 10:30 a.m. – 12 p.m.

Meet at trailhead to UBNA

TOUR LEADER: KERN EWING

$10 SUGGESTED DONATION; NO PRE-REGISTRATION REQUIRED

Join UWBG Head of Restoration Kern Ewing on a tour of this former landfill, now transformed into a restoration site and wildlife habitat. UBNA is well-known as one of the best birding spots in Seattle. Dress for the weather; tour will take place rain or shine!

The Northwest Green Home Primer

BY KATHLEEN O'BRIEN & KATHLEEN SMITH

Monday, June 16, 7 p.m.

7 – 7:30 p.m. Green building tour of UWBG's Merrill Hall

7:30 p.m. Presentation by Kathleen O'Brien. Books will be available for purchase and signing.

NHS Hall Center for Urban Horticulture

SPEAKER: KATHLEEN O'BRIEN, FOUNDER AND PRESIDENT OF O'BRIEN & COMPANY

FEE: $12; REGISTER IN ADVANCE TO GUARANTEE A SEAT (206) 685-8033

Everyone can make green home decisions on a budget with this inspiring, information-packed guide. Whether you are building, remodeling, buying, or just curious, come learn real-world strategies for getting the greenest results possible. How can you identify and achieve the right shade of green for you, your resources, schedule, and setting? This is the essential green home manual for novice and professional alike.

The book is a comprehensive resource that focuses on building green in Cascadia. Kathleen O'Brien is considered one of the nation's leading experts on sustainable design.

Nothofagus Tour

Saturday, July 19, 10 – 11:30 a.m.

Meet at Graham Visitors Center, Washington Park Arboretum

TOUR LEADER: JANINE ANDERSON

$10 SUGGESTED DONATION;
NO PRE-REGISTRATION REQUIRED

Tour the Arboretum's *Nothofagus* collection, the largest in North America. These southern beeches are part of the oak family and are found in Australia, Tasmania, New Zealand, and southern South America. Janine is co-owner of Anderson-LeLievre Landscape Design and has been an Arboretum guide since 1997. Recently, her "Sommarstuga" display garden won the Founder's Cup (Best in Show), the Sunset Western Living Award, and a Gold Medal at the 2008 Northwest Flower and Garden Show.

Miller Library Summertime Pajama Stories:

FREE

Seeds, Wonderful Seeds

Monday, July 14, 7 – 7:30 p.m.

Miller Library, Center for Urban Horticulture

For kids 2 to 8 and their parents. Wear your pajamas and curl up to hear wonderful stories in the Miller Library!

Fourteenth Annual West Seattle Garden Tour

Sunday, July 20, 9 a.m. – 5 p.m.

Come explore West Seattle's most beautiful gardens and join the Miller Library at its information table. A portion of the tour's proceeds will benefit the library. For tickets and more information, call 206-938-0339 or visit www.westseattlegardentour.com.

Miller Library Summertime Pajama Stories:

FREE

Last Splash of Summer

Monday, August 11, 7 – 7:30 p.m.

Miller Library, Center for Urban Horticulture

ONGOING PROGRAMS AT THE ARBORETUM

To register for any of the programs and tours below, call 206-543-8801 or e-mail uwbgeduc@u.washington.edu.

Seedlings Preschool Programs

Offered Monday – Friday, 10 – 11 a.m. or 12:15 – 1:15 p.m.

PRE-REGISTRATION REQUIRED;
$5 PER STUDENT, CRAFTS INCLUDED

GROUPS OF 8 – 30

Make the spectacular Washington Park Arboretum your own outdoor classroom. Choose from two themes, each designed perfectly for children ages 3-5: Trees and Seasons or Wetland Wildlife. Contact the Education Department for more information at (206)543-8801 or uwbgeduc@u.washington.edu

Saplings School Program

Offered Monday – Friday, 10 – 11:30 a.m. or 12:15 – 1:45 p.m.

PRE-REGISTRATION REQUIRED; $3 PER STUDENT

LIMITED TO GROUPS OF 10 OR MORE

Saplings School Programs are inquiry-based, guided science programs conducted at the Arboretum. We introduce students in grades K-12 to plant growth and development, wetland ecology and ethnobotany through interactive 90-minute programs. Contact the Education Department for more information at 206-543-8801 or uwbgeduc@u.washington.edu

Summer Day Camp

SESSION A: June 23 – 27 (1st – 3rd grade)

SESSION B: July 7 – 11 (1st – 3rd grade)

SESSION C: July 14 – 18 (3rd – 5th grade)

Explore the great outdoors at Summer Day Camp at the Arboretum! Discover the world of plants, wetlands and more through art, science, games and creative writing. Curricular activities run from 10 a.m. – 3 p.m. daily. Optional extended care is available from 9 – 10 a.m. and 3 – 4 p.m. Call UW Outreach at 206-543-2310 or visit http://www.outreach.washington.edu/syp/elem/arb_Home.asp

Summer Sleuths

(K – 6th grade)

Offered Monday – Friday, 10 a.m. – 12 p.m. and /or 1 – 3 p.m.

PRE-REGISTRATION REQUIRED; $5 PER PARTICIPANT

LIMITED TO GROUPS OF 10 OR MORE

Register now for guided outdoor programs highlighting fun, hands-on activities and outdoor exploration. Choose from *Focus on Forests*, *Water Workings*, and *Animals on the Move*.

Marsh Madness Explorer Packs

(1st – 5th grade)

Available daily, 10 a.m. – 4 p.m.

$20 PER PACK FOR A TWO-HOUR RENTAL;
SERVES 15 STUDENTS.

Explore the wetland habitat of Duck Bay and Foster Island through aquatic dips, wildlife identification, scavenger hunts and games. To reserve a pack, call 206-543-8801 or email uwbgeduc@u.washington.edu

Tree-tective Explorer Packs

(1st – 5th grade)

Available daily from 10 a.m. – 4 p.m.

$20 PER PACK FOR A TWO-HOUR RENTAL;
SERVES 15 STUDENTS.

Explore the trees of the Arboretum through scavenger hunts, games, magnifyng lenses and more. To reserve a pack, call 206-543-8801 or email uwbgeduc@u.washington.edu

Guided Weekend Walks

FREE

First and third Sundays of the month, 1 p.m.

NO FEE OR ADVANCED REGISTRATION

Tour the Arboretum's renowned plant collections offered January – November. This season's highlights include Azalea Way, Loderi Valley, and the Linden trees.

Seasonal Tours

Plan a special tour for your group of 10 or more. Two weeks advanced notice, please. Call 206-543-8801 for fee and scheduling information.

Summer ProHort Series

For professional continuing education; ISA certification credits pending.

Summer Pruning of Trees and Shrubs

Tuesday, July 17, 8:30 – 12:30 p.m.

Meet at Graham Visitors Center, Washington Park Arboretum

INSTRUCTORS: DAVID ZUCKERMAN, HORTICULTURE STAFF SUPERVISOR AT UW BOTANIC GARDENS, AND BESS BRONSTEIN, CERTIFIED ARBORIST AND HORTICULTURAL EDUCATOR

FEE: $50; PRE-REGISTRATION REQUIRED

MAXIMUM OF 25 REGISTRANTS

Summer is an excellent time, even the preferred time, for pruning certain plants.

When pruned before midsummer, some plant species are prone to vigorous water sprouting, excessive re-growth, or disease. Generally, midsummer pruning is done to remove water sprouts, prevent heavy sucker growth, and control a plant's size. In this outdoor demonstration class, you will learn what, why, and how to prune in summer.

Arboretum Foundation Events

For more information, visit www.arboretumfoundation.org or call 206-325-4510.

Mother's Day at the Arboretum

Sunday, May 11, 1 – 4 p.m.

Graham Visitors Center, Washington Park Arboretum

Don't miss this delightful Mother's Day event at the Arboretum. Enjoy beautiful azaleas and cherries in full bloom along Azalea Way, and receive a free family photo. At the Graham Visitors Center, kids can enjoy fun, plant-themed activities, and every mom will receive a special take-home gift!

UNIVERSITY OF WASHINGTON BOTANIC GARDENS
Plants for Life

Camas Quarterly

QUARTERLY NEWSLETTER OF THE UNIVERSITY OF WASHINGTON BOTANIC GARDENS · COLLEGE OF FOREST RESOURCES

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SEATTLE, WA 98195-4115

Includes ProHort classes,
see page 7

Efforts to prevent and control insect infestations will protect the renowned conifer collection in the Arboretum's Pinetum.

Uninvited Guests in the Garden *Continued from Page 1*

UW Botanic Gardens insect management combines carefully timed, least toxic control applications, cultural practices to promote plant health, and removal of infested plants when necessary, along with extensive monitoring and follow-up evaluations. Where possible, we use horticultural oils and insecticidal soap.

Think you've found an invasive insect? The experts at WSU Extension can help. In Snohomish County, contact Sharon Collman or Dave Pehling at 425-338-2400. In King County, contact Todd Murray at 206-205-3121. Remember, too, that not all bugs are bad bugs. Our gardens contain many beneficial insects that should be protected. Get to know the good insects with King County's "Stop Before You Spray" guide, available online at: http://www.govlink.org/hazwaste/house/yard/problems/goodbugs.cfm.

Meg Matthews is the Communications Assistant at UW Botanic Gardens

We Want Your Feedback!

We hope you have been enjoying this newsletter, and learned something new, gained inspiration, and found out what's going on at UW Botanic Gardens.

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